THE RELATIONSHIP BETWEEN THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION - PROGRAMME QUALIFICATIONS - BASIC FIELD QUALIFICATIONS

Ba (Er	sic Field Qualifications ngineering- Level 6)			F	ROG	RAN	I QUA	LIFICA		S		Qualifications Framework for Higher Education in Turkey (Level 6)		
		1	2	3 4 5 6 7 8 9 10										
KNOWLEDGE	1. Possess theory and practice in the field of mathematics, science and engineering disciplines.	X X	X X	x		x						1. Possess advanced level theoretical and practical knowledge supported by textbooks with updated information, practice equipments and other resources.	KNOWLEDGE	
	1.Use mathematics, science and theoretical and applied knowledge within the field to solve engineering problems.	X X	X X	X X								1. Use of advanced theoretical and practical knowledge within the field.	SKILLS	
	2. Determine, identify, define and model engineering problems; select and apply appropriate analytical methods and modeling techniques.	X X	X X	X X	X	X X						2. Interpret and evaluate data, define and analyze problems, develop solutions based on research and proofs by using acquired advanced knowledge and skills within the field.		
	3. Design a system, a component or a process under restrictions subject to realistic requirements; apply modern design methods for this purpose		x	x	x	x								
	4. Select and use modern techniques and tools for engineering applications.						X							
SKILLS	5. Design and conduct experiment, collect, analyze and interpret data.				x									

MPETENCIES	rrk and responsibiliy receivable	1.Performefficient,individualormultidisciplinarywork.2.Searchforand conductresearchontheresources;usedatabasesand informationsources forthis purpose	x				x x x		X		 Conduct studies at an advanced level in the field independently. Take responsibility both as a team member and individually in order to solve unexpected complex problems faced within the implementations in the field. 	Independent Working a responsibiliy receivable	COMPETENCIES
S	Wo						X		Х		3. Planning and managing activities towards the development of subordinates in the framework of a project.	Ind	
		1.Search for information and conducts research on the resources, for this purpose; use databases and information sources.	x	x			x				1. Evaluate the knowledge and skills acquired at an advanced level in the field with a critical approach.	LEARNING COM	COMPETENCE
MPETENCE	VG COMPETENCE	2.Aware of lifelong learning; follow advances in science and technologies; Follow the advances and renew personal capabilities	x					x x			2. Determine learning needs and direct the learning.	MPETENCE	
00	LEARNIN	3.Use mathematics, science and theoretical and applied knowledge within the field to propose/design ngineering solutions.	X	x	x				x	x	3. Develop positive attitude towards lifelong learning.		
		4.Determine, identify, define, formulate and solve engineering problems; select and apply appropriate	x	x		x							

	analytical methods and										
	this purpose										
	5.Design a system, a		X		X						
	component or a										
	process to meet realistic										
	requirements										
	and restrictions; apply										
	modern design										
	methods for this purpose										
	6.Select and use required	X	X								
	modern										
	techniques and tools for										
	the engineering										
	applications										
	7. Perform efficient,		X			X					
	Individual or										
	multidisciplinary										
	1 Lise computer software				v				1 Inform people and institutions transfer ideas and solution		
	informatics and				^				proposals to problems in written and orally on issues in the		
e	communication								field.		
ten	technologies required in									0	
edu	the field, at Advanced									m	
No	Level European									B	0
al (Computer Use License.									S II	ĕ
oci	2. Communicate verbally					X			2. Share the ideas and solution proposals to problems on	Ca	≤P
d S	and in written								issues in the field with professionals and non-professionals	pet	Щ.
an	effectively, use at least								by the support of qualitative and qualitative data.	n a	ц
tion	one foreign									Ce	ົດ
icat	language at the level of									S	ш
unu	European									R	
mm	Language Portfolio, B1.									<u>a</u>	
ပိ	3. Use technical drawings			X				X	 Organize and implement project and activities for social environment with a sense of social responsibility. 		
	and schematics										
	to communicate.										

	4. Search for information, conduct research on resources for this purpose, use databases and other information sources.						x		4. Monitor the developments in the field and communicate with peers by using a foreign language at least at a level of European Language Portfolio B1 General Level.	
	5. Aware of the effect of information technology applications at organizational, social and universal levels; aware of entrepreneurship and innovative subjects and possess information on contemporary issues.	x	x		x	х			5. Use informatics and communication technologies with at least a minimum level of European Computer Driving License Advanced Level software knowledge.	
	1. Aware of professional and ethical responsibilities.							X X	1. Act in accordance with social, scientific, cultural and ethic values on the stages of gathering, implementation and release of the results of data related to the field.	
COMPETENCE	2. Aware of project management, applications at workplace, workers health, environment and workplace security; conscious of legal aspects and results of engineering applications.		X	x				x	2. Possess sufficient consciousness about the issues of universality of social rights, social justice, quality, cultural values and also, environmental protection, worker's health and security.	
FIELD-SPECIFIC C	3. Show the awareness about the effect of engineering applications on the universal and social dimensions; aware of entrepreneurship and innovative subjects		X							

	and possess information							
	on							
	contemporary issues.							